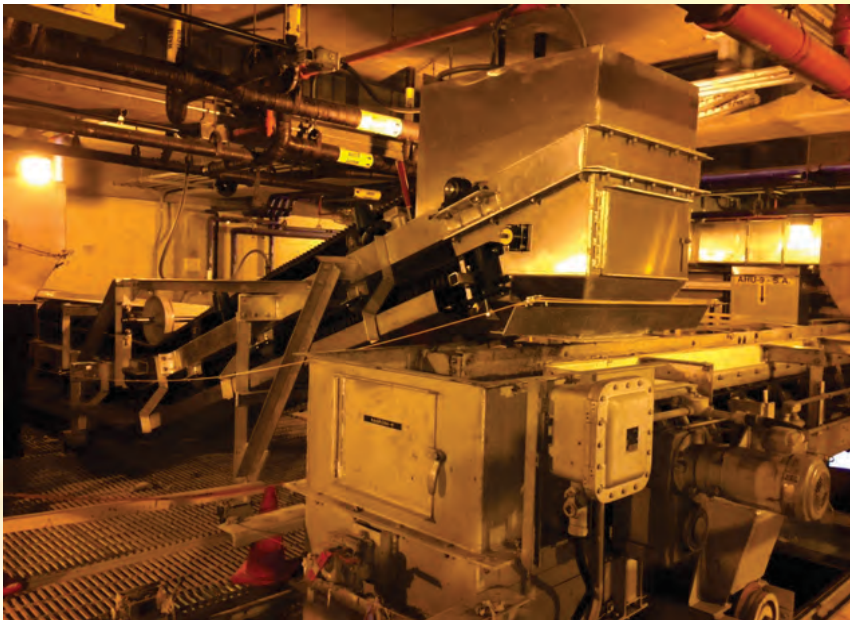


www.fairfieldservice.com

FAIRFIELD SERVICE COMPANY

Providing excellence in Service, Product, and Value in our efforts to support the Water, Wastewater, and Material Conveyance industries since 1978.

BELT CONVEYOR



AVAILABLE CONFIGURATIONS

- FLAT BELT CONVEYOR
- TROUGH BELT CONVEYOR
- INCLINED BELT CONVEYOR
- SIDEWALL BELT CONVEYOR
- CLEATED BELT CONVEYOR
- REVERSING BELT CONVEYOR
- SHUTTLE CONVEYOR
- PIPE/TUBE CONVEYORS
- REPLACEMENT PARTS

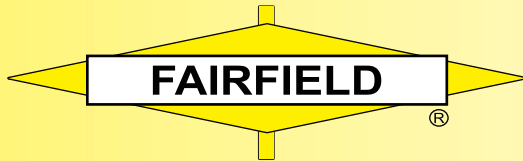
Fairfield Service Company belt conveyors are engineered with the Wastewater / Water Treatment equipment in mind. Belt conveyors are used to transport light to medium weight loads such as screened material from bar screens. Belt conveyors are the most economical solution to material transfer problems due to low maintenance and low capital cost.

Our decades of experience won't let us cut corners, unless your conveyor layout needs us to!

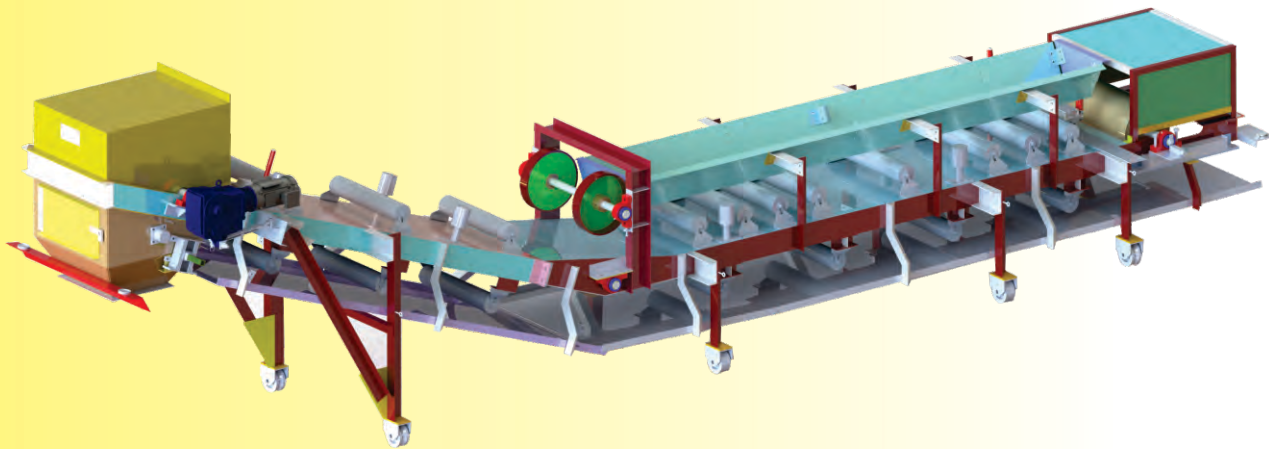
Our engineering staff utilizes the latest 3D modeling software/analysis in all of our designs. Our designs comply with standard CEMA practices for industry compatibility.

Conveyor systems include motor, reducer, chain and sprockets, v-belts and sheaves, pulleys, shafts, bearings, idlers, take-up, belt scraper, drip pan, structural steel supports, local control panel, and other appurtenances to provide a complete and ready-to-run system. Since systems can be customized to your specific requirements, Fairfield will integrate all components as a complete package to assure proper coordination and compatibility of equipment.

Water & Wastewater Treatment Equipment



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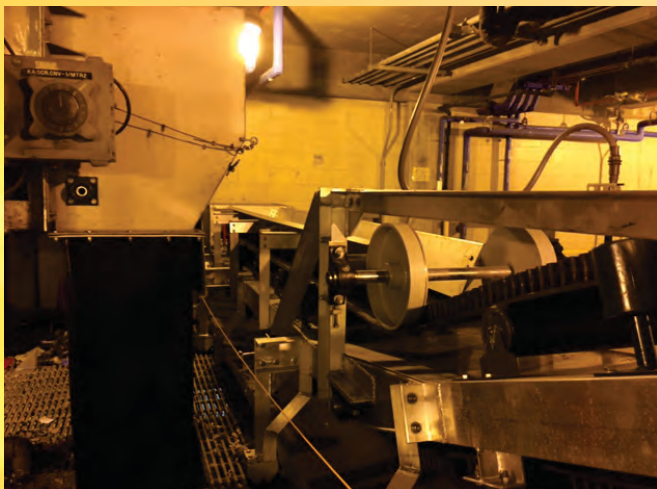
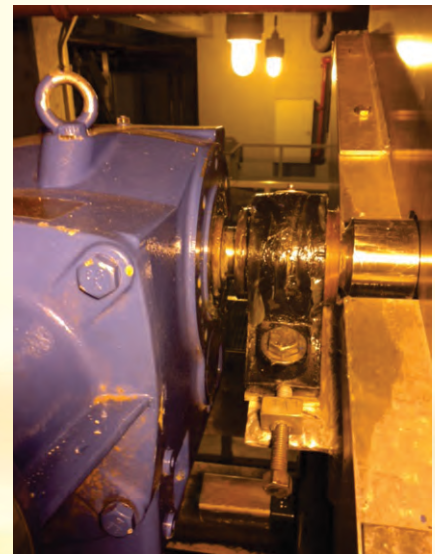


TYPICAL COMPONENTS - FLAT BELT CONVEYOR SYSTEM

FLAT AND TROUGH TYPE BELT CONVEYOR

These types of belt conveyors are the most widely used conveyors in the industry. They are designed to carry and convey high tonnage of materials to their destination. Discharges are typically conveyed into chutes that direct material to trucks or containers furnished by Owners.

Flat and Trough belt conveyors are used for gentle inclines. Screening materials and dewatered sludge can be conveyed up to 25 degree inclination, depending on the consistency of the product. These workhorses of the industry require very little maintenance.



SIDEWALL BELT CONVEYORS

These conveyors are used in order to keep material from rolling off the side of the conveyor. The integral sidewalls on the belt are an option to transfer from a flat belt conveyor to an inclined plane greater than what a standard flat or troughed belt conveyor is designed for.

CLEATED BELT CONVEYORS

These conveyors are similar to sidewall conveyors. They typically use the integral side walls and are molded with Horizontal cleats to offer even a higher inclination of material transfer. Cleats can be provided in various heights, thickness and geometry depending on the material being conveyed.

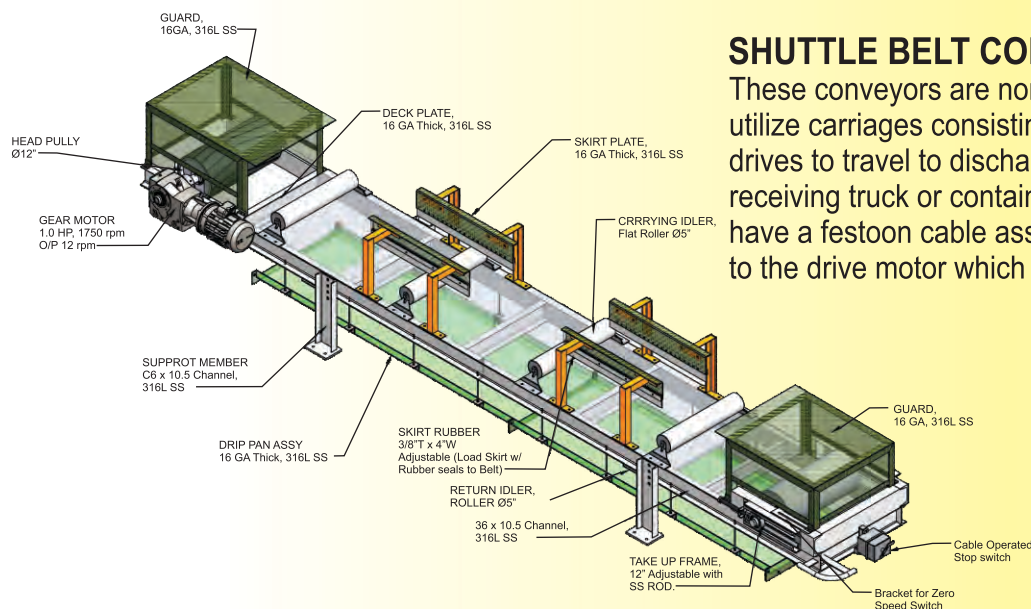


REVERSING BELT CONVEYORS

These are typically flat or troughed conveyors that can operate in either direction in order to distribute material into a long container or between two containers located side-by-side.

SHUTTLE BELT CONVEYORS

These conveyors are normally reversing and also utilize carriages consisting of frames, rails, wheels and drives to travel to discharge positions over the receiving truck or container. Typically these conveyors have a festoon cable assembly that provides electric to the drive motor which drives the shuttle.



STANDARD CONSTRUCTION

MATERIALS OF CONSTRUCTION

- Typically Type 304 SS materials designed for most Wastewater applications
- Other available materials
 - A36 Carbon Steel
 - A36 Carbon Steel, hot-dipped galvanized
 - A36 Carbon Steel, primed and painted
 - Type 316 stainless steel, for aggressive areas
- Load Skirts
- Discharge chute, slide gates (optional)
- Drip Pans, full length and sloped to drain location (optional)
- Conveyor enclosure for odor control (optional)

STANDARD SAFETY FEATURES

- OSHA safety guards at head and foot sections, along with areas at rotating parts
- Safety pull cord, both sides of conveyor
- Local control panel. Start/Stop/E-Stop
- Belt misalignment sensor
- Zero speed sensor
- SCADA interface and control (optional)

DRIVES

- Drives selected based upon loading rates.
- Standard TEFC motor enclosures
- Optional TEFC-XP, Class I, Division 2
- Reducer units, Class II shaft mounted on the conveyor head or tail shaft and directly connected to motor
- Personal safety guards
- Chain and sprockets (optional)
- V-belts and sheaves (optional)

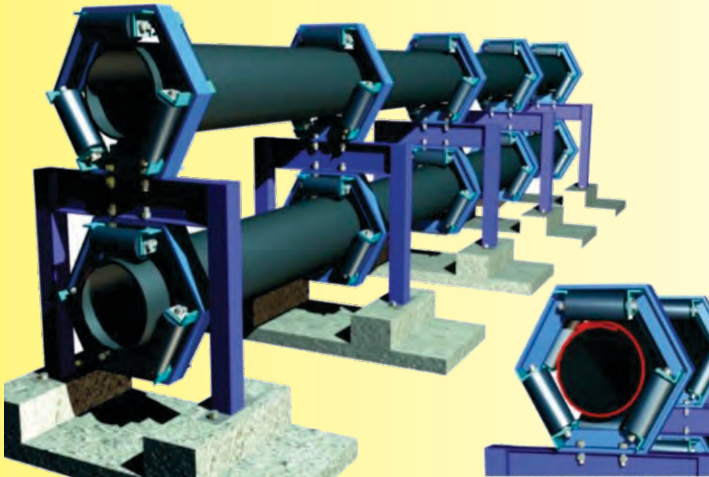
BELTS

- Reinforced 2-ply nylon carcass, tensioned in accordance with manufacturer's recommendations
- Splice kits including fasteners, templates and tools
- Options:
 - Abrasion resistant (grit, hard solids, etc.)
 - Oil and acid resistant
 - Belt scraper at discharge (counter weighted or spring loaded style)

BEARINGS, IDLERS AND PULLEYS

- Bearings will be pillow block style, roller type optional
- Idlers in accordance with CEMA design standards

PROTECTO PIPE CONVEYOR



FEATURES

- Curves in any direction
- Suitable for variety of bulk materials.
- Profile same as troughed belts when loading and discharging
- Formed into tubular shape by special idler arrangement
- Belt is directed through idler panels with hexagonal cut outs
- Belt opens automatically at discharge points
- Manages horizontal and vertical curves, as well as inclines and declines



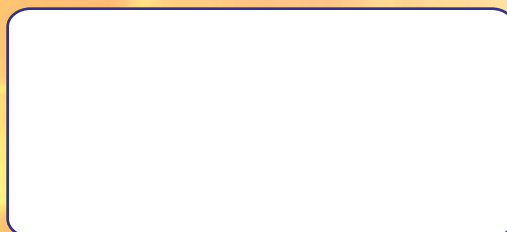
REPLACEMENT PARTS

Fairfield Service Company is capable of providing replacement parts for most belt conveyor systems regardless of manufacturer. Existing systems should be designed to CEMA standards. Contact us for more details.

FAIRFIELD SERVICE COMPANY IS MBE CERTIFIED.

Plant

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